Virginia Roads Update and Demonstration

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Introduction

Virginia Roads is a one-stop portal for streamlined public access to interactive mapping applications, sites and publications.

Goals of this application are to:

- **Provide user friendly access to all of VDOT's map products**

- **Ensure VDOT's transparency to the public**

- **Be an accurate, user-friendly tool for internal staff to more efficiently accomplish their work**

- **Allow better collaboration between VDOT staff and their local partners/stakeholders**

Characteristics

Virginia Roads was initially developed in Spring 2014 due to the agency's recognition of a strong business need for a tool that could accomplish the following:

- **Allow project managers, administration and the public to see VDOT project information on a map, accomplishing a goal of transparency in state government**

- **Provide an easy-to-use, web-based project information mapping tool for analysis, decision making and increased efficiencies**

- **Organize and use existing information, adding new data while minimizing the administrative burden on staff**

Existing Data

VDOT currently has a tremendous amount of information mapped in various locations. Some examples include:

- Structure Information
- Pavement Data
- Long range plan recommendations
- Functional classification
- Traffic volumes, crashes, level of service

However, most of this information has never been available to all VDOT staff, partners/stakeholders, or the public in the same format or in the same place, thus limiting its usefulness

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Virginia Roads

Since the application got started, it provides information on:

- **Six Year Improvement Plan, the first time it has been mapped sustainably**

- **Pavement Conditions and Schedules**

- **Bridge and Large Culvert Locations and Conditions**

- **Traffic Volumes**

- **Traffic Crash Data**

- **Links to Other VDOT public data such as 511, MegaProjects, Park and Ride lots, and more**

Vision

- Coordinate work across maintenance, operations and construction arenas

- Coordinate conflicts of planned work and work underway

- Provide emergency contact lists for specific projects to various audiences

- Look at long-range plan recommendations versus work already funded but not yet complete

- Query the SYIP-- show me all projects managed by project manager x; show me those projects that start after date y; show me those projects that have a total estimate greater than z

- Visualize the Dashboard

- Initial release in May 2014 was followed by an overhaul in April 2017

Moving Forward

- **The recent overhaul improved functionality, decreased maintenance time and cost, and formatted all data in the ARC/GIS format. Minor improvements are still being made.**

- **Upcoming marketing campaign—both internal and external**

- **Drive to incorporate other business needs as identified by VDOT staff, our partners, and the public**

- **Receive feedback on functionality of site's features**

Feedback

- **"VirginiaRoads.org is a prime example of the type of project I envisioned when we launched our Data.Virginia initiative aimed at using data to make government more transparent. It's as simple as clicking on the link, selecting a location and seeing in a glance the status of current and future transportation projects. The information is easily accessible and open to the public to see how their taxpayer dollars are being invested to improve Virginia's road system."** **--Governor Terry McAuliffe**

- **"A good transportation program depends on VDOT providing clear information that is relevant and available to the public. VirginiaRoads.org turns complex data into knowledge, allowing the public to become more engaged with their transportation program."** **-- Secretary of Transportation Aubrey Layne**

Demonstration
http://www.virginiaroads.org

Questions

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